

Res. Asst. SİNEM ALTINIŞIK

Personal Information

Office Phone: [+90 286 218 0018](tel:+902862180018) Extension: 21050

Email: sinemaltinisik@comu.edu.tr

Web: <https://avesis.comu.edu.tr/sinemaltinisik>

Address: ÇOMÜ Terzioğlu Yerleşkesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 401

International Researcher IDs

ORCID: 0000-0003-0238-0169

Yoksis Researcher ID: 318274

Education Information

Doctorate, Canakkale Onsekiz Mart University, Lisansüstü Eğitim Enstitüsü, Turkey 2021 - Continues

Postgraduate, Konya Technical University, Faculty Of Engineering, Turkey 2017 - 2021

Undergraduate Double Major, Selcuk University, Faculty Of Engineering, Metalurji Ve Malzeme Mühendisliği, Turkey 2015 - 2018

Undergraduate, Selcuk University, Faculty Of Engineering, Kimya Mühendisliği, Turkey 2015 - 2017

Foreign Languages

English, B1 Intermediate

Certificates, Courses and Trainings

Renewable Energy Sources, Yenilenebilir Enerji ve Enerji Verimliliği, YEVEDES Projesi, 2021

Education Management and Planning, Laboratuvar Akreditasyonu, TS EN ISO / IEC 17025, 2013

Dissertations

Postgraduate, Betainin Şeker Pancarı İşleme Süreci Yan Ürünlerinden Tepkimeli Özütleme Yöntemi ile Geri Kazanımı, Konya Technical University, Graduate Education, Training And Research Institute, 2021

Research Areas

Electrochemical Processes, Organic Technologies

Academic Titles / Tasks

Research Assistant, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Kimya Mühendisliği, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A new water–soluble naphthalene diimide as a highly selective fluorescent chemosensor for Cu(II) ion: Synthesis, DFT calculations, photophysical and electrochemical properties**
Abourajab A., Karsili P., Rashid R., Dinleyici M., Pasaogullari N., ALTINIŞIK S., KOYUNCU S., Icil H.
Journal of Photochemistry and Photobiology A: Chemistry, vol.454, 2024 (SCI-Expanded)
- II. **Optimization of bioethanol production from sugar beet processing by-product molasses using response surface methodology**
Altınışik S., Uğur Nigiz F., Gürdal S., Yılmaz K., Tuncel N. B., Koyuncu S.
BIOMASS CONVERSION AND BIOREFINERY, vol.0, no.0, 2024 (SCI-Expanded)
- III. **Black-to-Transmissive Electrochromic Switching PEDOT-co-poly(N-ethylcarbazole) via a Sustainable and Facile In Situ Photo(co)polymerization Method**
Tabak T., ALTINIŞIK S., Ulucay S., KOYUNCU S., Kaya K.
MACROMOLECULES, vol.57, no.10, pp.4769-4781, 2024 (SCI-Expanded)
- IV. **Boosting Photocatalytic Metal-Free Hydrogen Production of Viologen-Based Covalent Organic Frameworks**
Altınışik S., Yıldız G., Hatay Patır İ., Koyuncu S.
ACS Applied Engineering Materials, vol.2, no.5, pp.1441-1449, 2024 (SCI-Expanded)
- V. **Grafting of perylene and naphthalene fluorophores onto chitosan for improved thermal, optical and electrical properties**
Temurlu S., Abureesh M. A. A., Abourajab A., Karsili P., Dinleyici M., ALTINIŞIK S., KOYUNCU S., Icil H.
Macromolecular Research, vol.32, no.4, pp.281-297, 2024 (SCI-Expanded)
- VI. **Comparative Study of Electrochromic Supercapacitor Electrodes Based on PEDOT:PSS/ITO Fabricated via Spray and Electrospray Methods**
Çatoğlu F., ALTINIŞIK S., KOYUNCU S.
ACS Omega, 2024 (SCI-Expanded)
- VII. **Photoinduced step-growth polymerizations of thiophene-carbazole based covalent organic polymer**
Celiker T., ALTINIŞIK S., Yağcı Y., KOYUNCU S.
Polymer, vol.289, 2023 (SCI-Expanded)
- VIII. **Enhanced Photocatalytic Hydrogen Evolution by Star-Shaped Viologen-Sensitized TiO₂ Nanoparticles**
Turgut K., ALTINIŞIK S., Yanalak G., KOYUNCU S., Hatay Patır I.
ACS Applied Nano Materials, vol.6, no.21, pp.20173-20182, 2023 (SCI-Expanded)
- IX. **Synthesis, photophysical, electrochemical and morphological properties of a novel cross-linked chitosan-based fluorescent polymer: A fluorescence sensor for single-stranded DNA**
Yucekan I., Dinleyici M., Temurlu S., Rashid R., Bodapati J. B., Al-Khateeb B., Abourajab A., Karsili P., ALTINIŞIK S., KOYUNCU S., et al.
European Polymer Journal, vol.196, 2023 (SCI-Expanded)
- X. **Electron-Donating and Electron-Withdrawing Subunit Effects on Coumarin-BODIPY Dyads: Optical and Electrochemical Properties and Molecular Interactions**
Köksoy B., ÖZDEMİR M., ALTINIŞIK S., Zorlu Y., YALÇIN B., Durmuş M., KOYUNCU S.
ChemPhotoChem, vol.7, no.8, 2023 (SCI-Expanded)
- XI. **Viologen-Based Covalent Organic Frameworks toward Metal-Free Highly Efficient Photocatalytic Hydrogen Evolution**
ALTINIŞIK S., Yanalak G., Hatay Patır İ., KOYUNCU S.
ACS Applied Materials and Interfaces, vol.15, no.15, pp.18836-18844, 2023 (SCI-Expanded)
- XII. **Reactive Extraction of Betaine from Sugarbeet Processing Byproducts**
Altinisik S., Zeidan H., Yılmaz M. D., Marti M. E.
ACS Omega, vol.8, no.12, pp.11029-11038, 2023 (SCI-Expanded)
- XIII. **A Novel Viologen-Derived Covalent Organic Framework Based Metal Free Catalyst for Nitrophenol Reduction**
ALTINIŞIK S., KOYUNCU S.

- ChemCatChem, vol.15, no.4, 2023 (SCI-Expanded)
- XIV. **PEG-functionalized carbazole-based polymers for UV-protected hydrophilic glass coatings**
ALTINIŞIK S., Kortun A., Nazlı A., CENGİZ U., KOYUNCU S.
Progress in Organic Coatings, vol.175, 2023 (SCI-Expanded)
- XV. **Direct Photopatterning of BODIPY-Based Small Molecules via Thiol-ene Click Chemistry**
ÖZDEMİR M., ALTINIŞIK S., Ömeroğlu İ., Köksoy B., Durmuş M., YALÇIN B., KOYUNCU S.
ChemNanoMat, vol.9, no.1, 2023 (SCI-Expanded)
- XVI. **Symmetrical and Asymmetrical Thiophene-Coumarin-Based Organic Semiconductors**
ALTINIŞIK S., ÖZDEMİR M., Kortun A., Zorlu Y., YALÇIN B., Köksoy B., KOYUNCU S.
ACS Omega, 2023 (SCI-Expanded)
- XVII. **Sequential and Simultaneous Photoinduced Radical and Step- Growth Polymerizations of Carbazole Functional Styrene**
Celiker T., ALTINIŞIK S., Vaitusionak A., Kostjuk S. V., KOYUNCU S., Yağcı Y.
MACROMOLECULES, 2022 (SCI-Expanded)
- XVIII. **Tetra-Carbazole based electroactive donor-acceptor dyes: Effect of the phenyl bridging unit on the electrochromic performance**
Doyranli C., Altınışik S., Özdemir M., Koyuncu S.
DYES AND PIGMENTS, vol.204, 2022 (SCI-Expanded)
- XIX. **<p>New metallophthalocyanines including benzylphenoxy groups and investigation of their organic-field effect transistor (OFET) features</p>**
ÖZDEMİR M., ALTINIŞIK S., Koksoy B., CANIMKURBEY B., KOYUNCU S., Durmus M., Bulut M., YALÇIN B.
DYES AND PIGMENTS, vol.200, 2022 (SCI-Expanded)
- XX. **Thiophene-benzimidazolium Polymer Salts: Synthesis, Characterization, Antimicrobial Activities, and Evaluation in Terms of Occupational Health**
KANBUR S., Ates G. O., ALTINIŞIK S., ÇINAR U., BAYCAN F.
POLYMER-KOREA, vol.45, no.6, pp.817-823, 2021 (SCI-Expanded)
- XXI. **Fluorene-based donor-acceptor-type multifunctional polymer with bicarbazole pendant moiety for optoelectronic applications**
Piravadili S., Doyranli C., Altinisik S., Bilgili H., Canimkurbey B., Koyuncu S.
Journal of Polymer Science, vol.59, no.16, pp.1829-1840, 2021 (SCI-Expanded)
- XXII. **Hollow microspherical carbazole-based conjugated polymers by photoinduced step-growth polymerization**
Celiker T., Suerkan A., ALTINIŞIK S., Akgun M., KOYUNCU S., Yağcı Y.
POLYMER CHEMISTRY, vol.12, no.32, pp.4654-4660, 2021 (SCI-Expanded)
- XXIII. **Tuning the Electrochromic Properties of Fluorinated Benzochalcogenodiazole Based Donor-Acceptor Polymers**
ÇOLAK B., ALTINIŞIK S., BAYCAN F., Canimkurbey B., KOYUNCU S.
CHEMISTRYSELECT, vol.5, no.42, pp.13202-13211, 2020 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **CARBAZOLE BASED CROSSLINKED POLYMER FILMS FOR ELECTROCHROMIC APPLICATIONS**
Altınışik S., Kortun A., Koyuncu S.
3rd International Natural Science, Engineering and Material Technologies Conference, Gazimagusa, Cyprus (Kktc),
21 - 23 September 2023, pp.10
- II. **Crosslinked Viologen Thin Films for Use in The Cathodic Layer of Electrochromic Devices**
Altınışik S., Kortun A., Piravadılı S., Canimkurbey B., Moon H. C., Koyuncu S.
Asiachem – 19th Asian Chemical Congress , İstanbul, Turkey, 9 - 14 July 2023, pp.317-318
- III. **Enhanced Photocatalytic Hydrogen Evolution for Viologen-based Covalent Organic Framework with Propyl Bridge**

Yanalak Yıldız G., Altınışık S., Turgut K., Koyuncu S., Hatay Patır İ.

Asiachem – 19th Asian Chemical Congress , İstanbul, Turkey, 9 - 14 July 2023, pp.95

IV. 2,6-Distyrene Substituted Meso Phenyl/Carbazole BODIPY Derivatives: Synthesis, Characterization and Optical Features

Köksoy B., Özdemir M., Altınışık S., Koyuncu S., Yalçın B.

Asiachem – 19th Asian Chemical Congress , İstanbul, Turkey, 9 - 14 July 2023, pp.357

V. Synthesis and Characterization of Viologen Based Covalent Organic Framework

Altınışık S., Koyuncu S.

2nd International Natural Science, Engineering and Material Technologies Conference, Kırklareli, Turkey, 15 - 17 September 2022, pp.30

VI. Fluorene based crosslinkable conjugated polymers containing different length of PEG subunit

Altınışık S., Cengiz U., Koyuncu S.

15th International Symposium on Flexible Organic Electronics, Thessaloniki, Greece, 4 - 07 July 2022, pp.157

VII. Çapraz Bağlanabilir Viyolojen Türevlerinin Sentezi ve Karakterizasyonu

Altınışık S., Koyuncu S.

32.Ulusal Kimya Kongresi, Eskişehir, Turkey, 17 - 19 September 2020, pp.192

Supported Projects

KOYUNCU S., ALTINIŞIK S., Project Supported by Higher Education Institutions, Hidrojen Üretimi İçin Viyolojen Esaslı Yeni Tür Kovalent Organik Kafes Yapılar, 2023 - Continues

Koyuncu S., TÜBİTAK International Bilateral Joint Cooperation Program Project, Elektrokromik-Süperkapasitör Cihaz Uygulaması İçin Viyolojen Bazlı Çapraz Bağlanabilir Jel Elektrolit Sistemlerinin Geliştirilmesi, 2023 - 2025

Altınışık S., Yanalak G., Koyuncu S., TUBITAK Project, Viyolojen Esaslı Kovalent Organik Kafes Yapının Fotokatalitik Hidrojen Üretim Etkinliğinin Araştırılması, 2023 - 2024

Sanır M., Altınışık S., TUBITAK Project, Elektroaktif tiyofen köprülü metal organik kafes yapıların sentezi, 2022 - 2024
Koyuncu S., Köksoy B., Özdemir M., Altınışık S., Yalçın B., Project Supported by Higher Education Institutions, BODIPY Türevli Çapraz Bağlı Elektrokromik İnce Filmler ve Fotodesenleme Çalışmaları, 2022 - 2023

Koyuncu S., Cengiz U., Kaya N., TUBITAK Project, Production of UV protected anti-fog glass using conjugated polymers, 2021 - 2023

KOYUNCU S., UĞUR NİGİZ F., TUNCEL N. B., ALTINIŞIK S., Project Supported by Higher Education Institutions, Çeltik yan ürünlerinden biyoetanol üretim potansiyelinin araştırılması ve verim optimizasyonu, 2020 - 2022

Altınışık S., Martı M. E., TUBITAK Project, Şeker Endüstrisi Yan Ürünlerinden Tepkimeli Özütleme Yöntemi ile Betain Geri Kazanımı, 2017 - 2020

Metrics

Publication: 30

Citation (WoS): 44

Citation (Scopus): 47

H-Index (WoS): 5

H-Index (Scopus): 5